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By

*Erica L. Smith*

(Signature of person mailing)

Erica L. Smith

(Typed or printed name of person)

Patent Application  
Docket No. PC25808A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
PHILIP A. CARPINO

Serial No. 10/823,152  
Filed on April 12, 2004

For: CANNABINOID RECEPTOR  
LIGANDS AND USES THEREOF

Group Art Unit: 1625

Examiner: OWENS, AMELIA A

**SUPPLEMENTAL**  
**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.97; and 1.98, Applicant's agent wishes to draw the Examiner's attention to the reference listed on the attached PTO-FB-A820.

None of the following has been received: (i) a Notice of Allowance under §1.311, (ii) a final action under §1.113 on the merits or (iii) an action that otherwise closes prosecution in the application. However, a first office action on the merits has been received; therefore, authorization for payment of the requisite fee set forth in §1.17(p) is provided herein below.

The following references were cited by the Examiner in an office action mailed on September 14, 2005 in the form of their abstracts:

PubMed ID No. 10469889: Barth, F., et al, "The Development of Cannabinoid Antagonists" Current Medicinal Chemistry, **6**, 745-755 (1999).

CA 62:29669: Aebi, A., et al., "Pharmaceutical Chemistry Studies Involving the Heterocyclic Series," Pharmaceutica Acta Helvetiae, 616-622 (1963).

The following German reference cited at footnote 10 by Aebi is also included.

Dohm, M. and Thiele, A., Chem Ber **64B**, 2863 (1931).

The full references are being submitted to provide a complete record. In addition, certified English translations of the two German articles are included herewith. The following two review articles are also included which describe the utility of cannabinoid receptor modulators (in particular, CB-1 receptor antagonists).

Smith, et al., "Recent advances in the research and development of CB1 antagonists" IDrugs, **8**(1), 53-56 (2005); and

Muccioli, G.G., et al, "Current Knowledge on the Antagonists and Inverse Agonists of Cannabinoid Receptors" Current Medicinal Chemistry, **12**, 1361-1394 (2005).

The Examiner is respectfully requested to indicate his or her consideration of the foregoing items by initialing, signing, and dating the accompanying PTO-FB-A820 and then returning a copy of the form to the undersigned.

The Commissioner is hereby authorized to charge the requisite fee set forth in §1.17(p) to Account Number 16-1445.

Respectfully Submitted By:

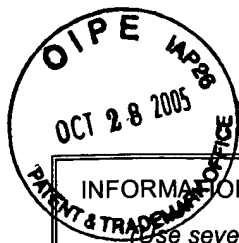
October 25, 2005

Date

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY. DOCKET NO. PC25808A	SERIAL NO. 10/823,152
	APPLICANT Philip A. Carpino	
	FILING DATE April 12, 2004	GROUP 1625

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US	3	3	4	0	2	6	9	9/5/67	Blatter, H.M.			
	US	3	3	6	5	4	5	9	1/23/68	Blatter, H.M.			

### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER									DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	WO	9	5	0	1	9	8	0	6/16/94	International	C07D	471/04		

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Barth, F., et al., <u>Current Medicinal Chemistry</u> , "The Development of Cannabinoid Antagonists", Vol. 6, pages 745-755 (1999)
			Aebi, A., et al., <u>Pharmaceutica Acta Helvetiae</u> , "Pharmaceutical Chemistry Studies Involving the Heterocyclic Series", pages 616-622 (1963)
			Dohm, M, et al., <u>Chem Ber</u> , Vol. 64B, page 2863 (1931)
			Smith, et al., <u>IDrugs</u> , "Recent Advances in the Research and Development of CB1 Antagonists", Vol. 8(1), pages 53-56 (2005)
			Muccioli, G.G., et al., <u>Current Medicinal Chemistry</u> , "Current Knowledge on the Antagonists and Inverse Agonists of Cannabinoid Receptors", Vol. 12, pages 1361-1394 (2005)

EXAMINER

DATE CONSIDERED